

5 **WHAT IS CLAIMED IS:**

1. A method for generating summaries of a video
comprising the steps of:

inputting summary sentences, visual information
and a section-begin frame and a section-end frame for each

10 story in a video;

selecting a type of presentation;

locating a set of images available for each
story;

auditing the summary sentences to generate an
15 auditory narration of each story;

matching said audited summary sentences with the
set of images to generate a story summary video for each
story in the video; and

combining each of the generated story summaries
20 to generate a summary of the video.

2. The method of claim 1, wherein the visual information
comprises at least one of a shotlist, a keyframelist and a
combination thereof.

3. The method of claim 1, wherein the summary sentences are generated by:

generating story boundaries and sentence data
5 using a story extractor;
selecting a length of a story summary;
summarizing said sentence data to produce at
least one summary sentence, wherein a number of the summary
sentences produced corresponds to the length of the story
10 summary; and
ordering the at least one summary sentence based
on its selection order.

4. The method of claim 1, wherein the type of
15 presentation comprises an image slide format.

5. The method of claim 1, wherein the type of
presentation comprises a poster format.

20 6. The method of claim 1, wherein the section-begin frame
and the section-end frame determines a story boundary.

7. The method of claim 1, wherein the step of locating
the set of images further comprises the steps of:

collecting a list of images within a story
boundary;

generating a mergelist for clustering images
corresponding to each shot into visually similar groups;

5 deleting images belonging to a largest visually
similar group; and

sampling a remaining list of images to produce
the set of images.

10 8. The method of claim 7, wherein the sampling is
performed uniformly with a sampling interval determined by
a number of images desired for a given length of story
summary.

15 9. The method of claim 7, wherein the step of sampling
further comprises selecting a frame number of each proper
noun.

10. A method for generating summaries of a video,
20 comprising the steps of:

inputting story summary sentences, video
information and speaker segments for each story in a video;
locating video clips for each story from said
video information;

capturing audio clips from the video clips, said
audio clips corresponding to the summary sentences;

combining said corresponding audio clips with the
video clips to generate a story summary video for each

5 story in the video; and

combining each of the generated story summaries
to generate a summary of the video.

11. The method of claim 10, wherein the summary sentences
10 are generated by:

generating story boundaries and sentence data
using a story extractor;

selecting a length of a story summary;

summarizing said sentence data to produce at
15 least one summary sentence, wherein a number of the summary
sentences produced corresponds to the length of the story
summary; and

ordering the at least one summary sentence based
on its selection order.

20

12. A program storage device readable by a machine,
tangibly embodying a program of instructions executable by
the machine to perform method steps for generating

summaries of a video, the method steps comprising the steps of:

providing summary sentences, visual information and a section-begin frame and a section-end frame for each

5 story in a video;

selecting a type of presentation;

locating a set of images available for each story;

auditing the summary sentences to generate an
10 auditory narration of each story; and

matching said audited summary sentences with the set of images to generate a story summary video for each story in the video, wherein a summary of the video is generated by combining each of the generated story

15 summaries.

13. The program storage device of claim 12, wherein the visual information comprises at least one of a shotlist, a keyframelist and a combination thereof.

20

14. The program storage device of claim 12, wherein the instructions for generating summary sentences comprise instructions for performing the steps of:

generating story boundaries and sentence data
using a story extractor;

selecting a length of a story summary;

summarizing said sentence data to produce at
5 least one summary sentence, wherein a number of the summary
sentences produced corresponds to the length of the story
summary; and

ordering the at least one summary sentence based
on its selection order.

10

15. The program storage device of claim 12, wherein the
type of presentation comprises an image slide format.

16. The program storage device of claim 12, wherein the
15 type of presentation comprises a poster format.

17. The program storage device of claim 12, wherein the
section-begin frame and the section-end frame determines a
story boundary.

20

18. The program storage device of claim 12, wherein the
step of locating the set of images further comprises the
steps of:

collecting a list of images within a story
boundary;

generating a mergelist for clustering images
corresponding to each shot into visually similar groups;

5 deleting images belonging to a largest visually
similar group; and

sampling a remaining list of images to produce
the set of images.

10 19. The program storage device of claim 18, wherein the
sampling is performed uniformly with a sampling interval
determined by a number of images desired for a given length
of story summary.

15 20. The program storage device of claim 18, wherein the
step of sampling further comprises selecting a frame number
of each proper noun.

20